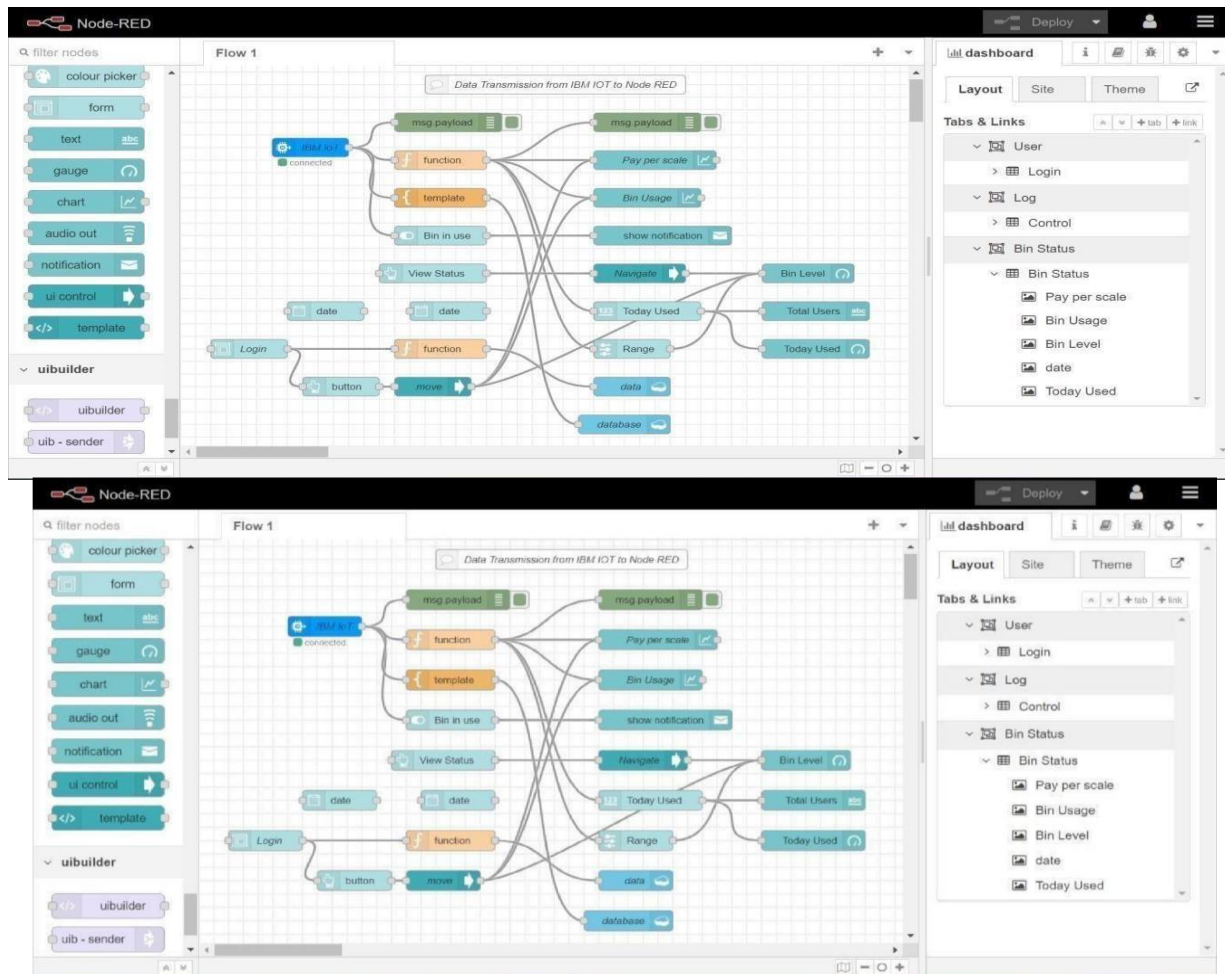


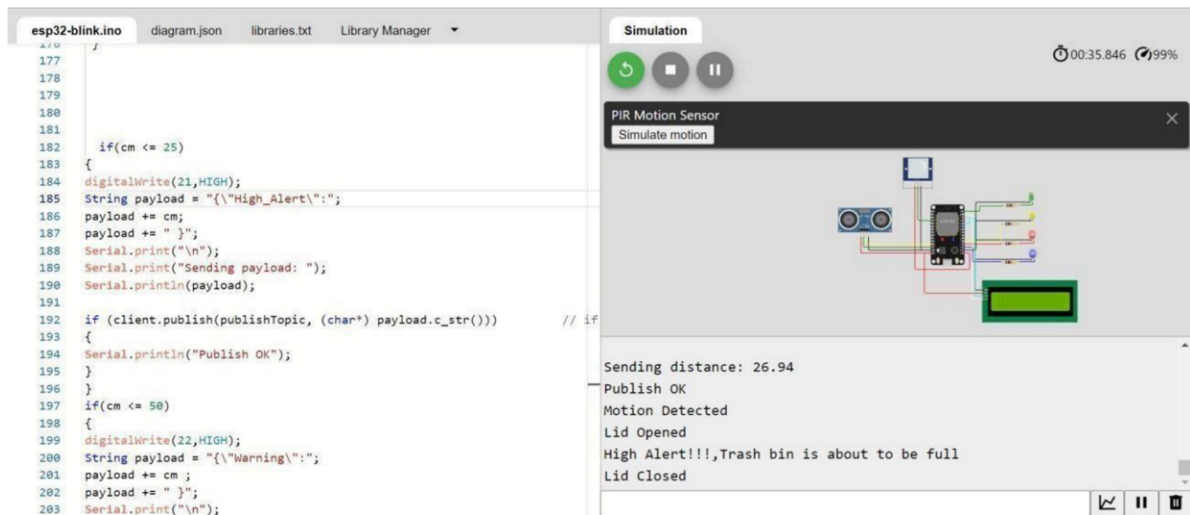
SPRINT DELIVERY - IV

Date	18 NOVEMBER 2022
Team ID	PNT2022TMID50055
Project Name	Smart Waste Management System for Metropolitan Cities

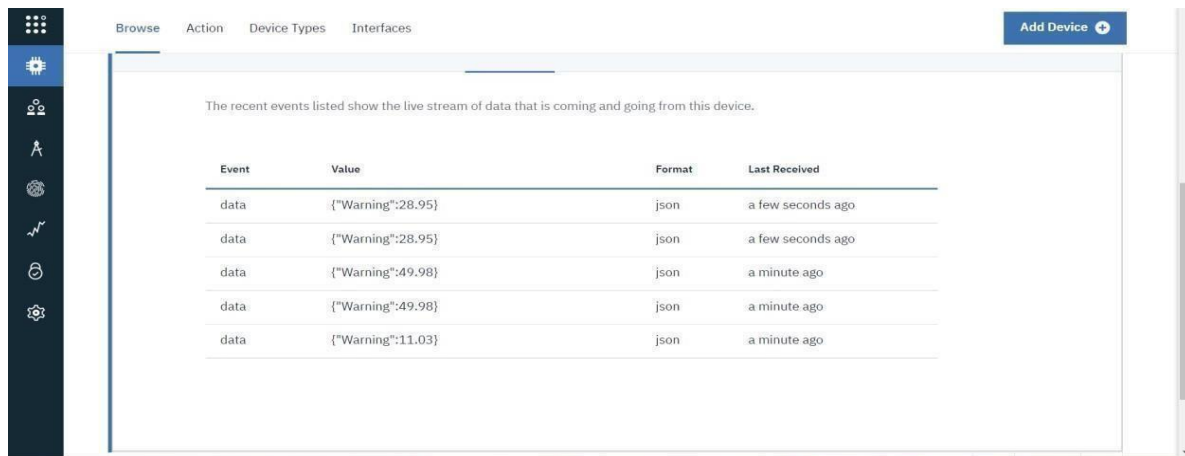
1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-RED dashboard.



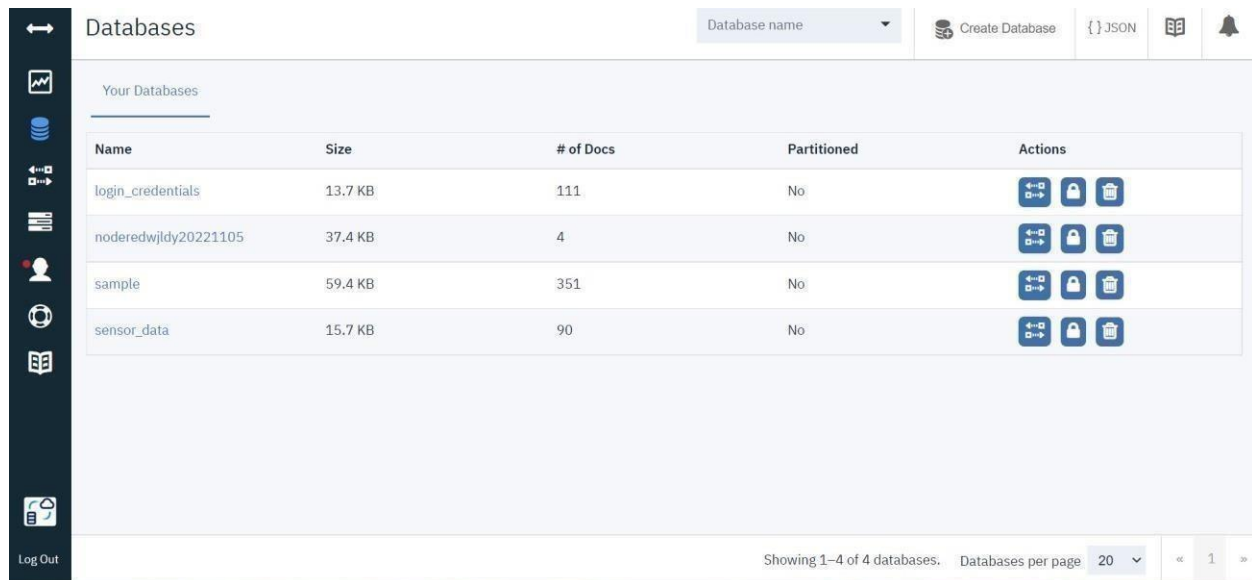
2. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard.



3. Data transfer to Watson IOT platform.



4. Data transfer from IBM Watson IOT platform and wokwi to Node red.

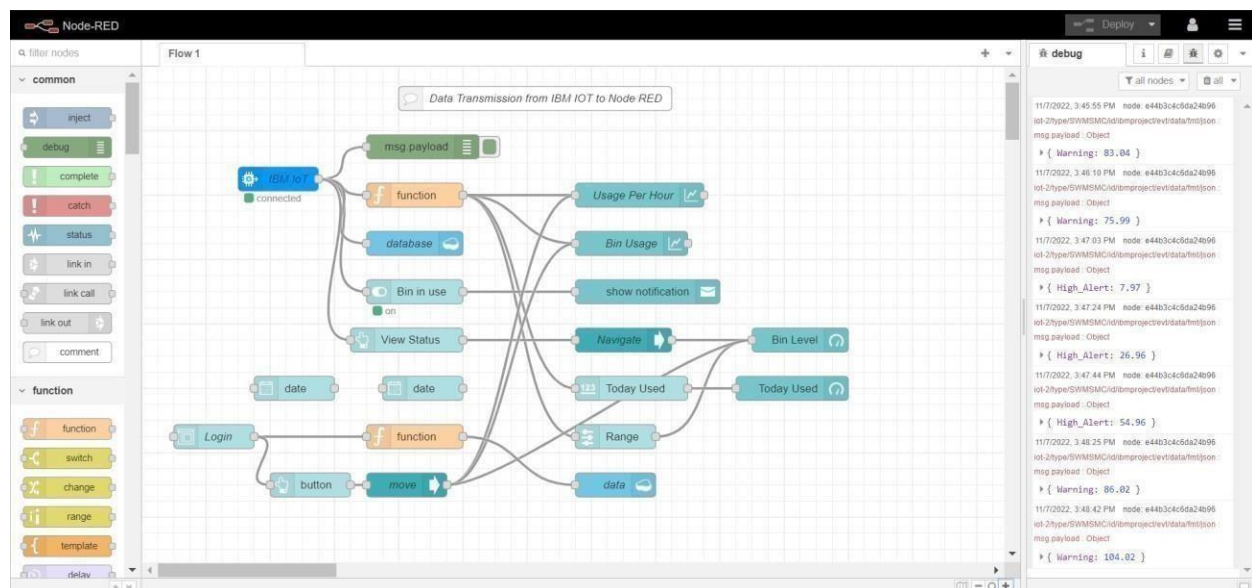


The screenshot shows the 'Databases' tab in Node-RED. It features a sidebar with navigation icons, a top bar with a 'Database name' dropdown, a 'Create Database' button, and icons for JSON, a table, and a bell. The main area is titled 'Your Databases' and contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons for edit, lock, delete]
noderedwjldy20221105	37.4 KB	4	No	[Icons for edit, lock, delete]
sample	59.4 KB	351	No	[Icons for edit, lock, delete]
sensor_data	15.7 KB	90	No	[Icons for edit, lock, delete]

At the bottom, it says 'Showing 1-4 of 4 databases. Databases per page 20' with pagination controls.

5. Storing in database in IBM cloudant DB



↔

◀

sensor_data

⋮

Document ID

Options

{ } JSON

🔔

All Documents

Query

Permissions

Changes

Design Documents

Log Out

Table

Metadata

{ } JSON

Create Document

	id	key	value
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df...
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c...
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df...
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16cfab0...
<input type="checkbox"/>	1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c...
<input type="checkbox"/>	1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bdd9a985bd56cf9...
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c...
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ecad57f039e...
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bdd9a985bd56cf9...
<input type="checkbox"/>	298ed6fhd9h3h815f5ac7c061e...	298ed6fhd9h3h815f5ac7c061e...	{ "rev": "1-4e7240f6e5307a1h9...

Showing document 1 - 20.

Documents per page: 20

◀ ▶

6. Data is stored in JSON format

↔

sensor_data

0198213c192cb2c244cc2433f1802b91

{ } JSON

🔔

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

1

{

2

"_id": "0198213c192cb2c244cc2433f1802b91",

3

"_rev": "1-cde2dd17c519394dfb774738c495f8b",

4

"topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",

5

"payload": {

6

"Warning!!": "244.971left"

7

},

8

"deviceId": "ibmproject",

9

"deviceType": "SWMSMC",

10

"eventType": "data",

11

"format": "json"

12

}

Log Out

7. Web UI

